

# Powder Measure Drain-N-Change™ Tool For Dillon Powder Measures

By UniqueTek, Inc.

Item #: T1347

The Drain-N-Change™ Tool allows you to drain powder without removing the powder measure from the press or toolhead. It also allows you to remove or change powder bars without needing to drain the powder.

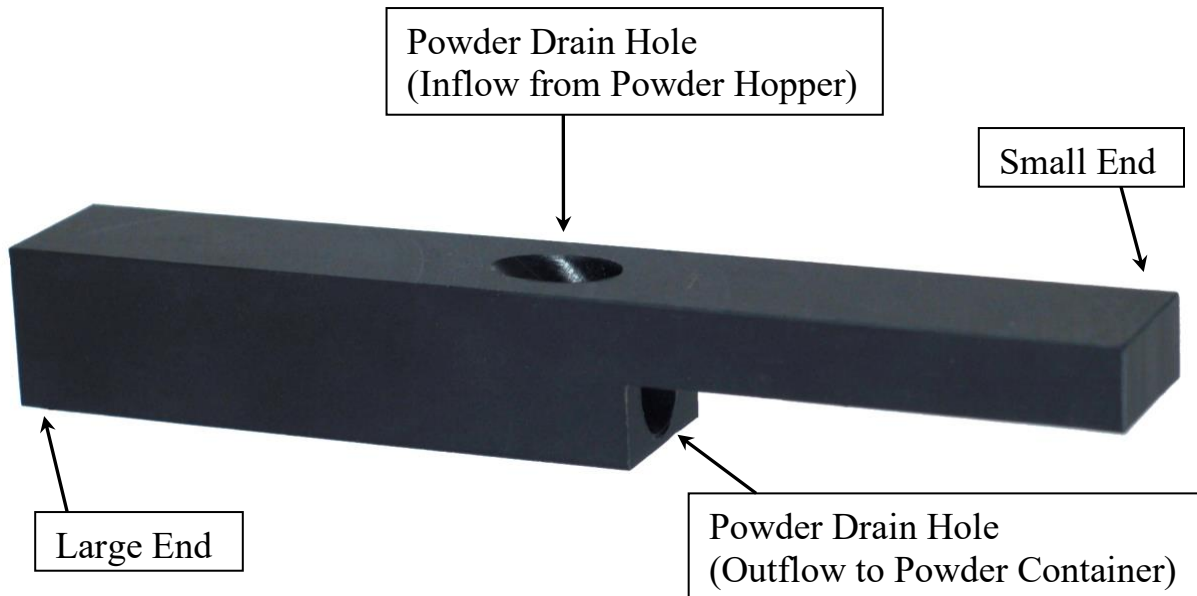
It is recommended that you read these instructions carefully before attempting to use the Drain-N-Change™ Tool. It is also recommended that you practice these procedures with an empty powder measure until you are confident that you understand the procedure. This will help avoid accidentally spilling gunpowder.

You can also watch videos of the Drain-N-Change™ Tool in use at the following links.

<https://uniquetek.com/shop/ols/products/powder-measure-drain-n-change-tool>

<https://youtu.be/a5G4d6OuuHs?si=RGUqA5gd1L2P1Lf1>

<https://youtu.be/tt8G1a0CUnY?si=0m0J4zBRBJv8nBC->



Refer to the exploded diagram of the Dillon Powder Measure in the user manual for your press and locate the following parts. Understanding these parts, their location and function will be helpful in following the instructions on the following pages.

Large Powder Bar (part #20063)

Extra-Large Powder Bar; a.k.a. Magnum Powder Bar (part #21353)

Powder Bar Spacer (part #13644)

Plastic Plug (part #13921)

Bellcrank Screw (part #13904)

Bellcrank Cube (part #13871)

Powder Die (part #20064)

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## Draining Powder Measure

1. Have a container and funnel ready to catch the gunpowder as it drains. Also place a small container on the shellplate under the Powder Die to catch the gunpowder that is contained in the Powder Bar and or Powder Bar Spacer.
2. Loosen the Bellcrank Screw enough to disengage the Bellcrank Cube but do not remove the screw. This frees the powder bar for removal ... but do not move the powder bar at this time. If you have an older style powder measure that uses powder bar springs, remove the springs before loosening the Bellcrank Screw.
3. If a Large Powder Bar or Extra-Large Powder Bar is installed in the Powder Measure, proceed to Step 4. If a Small Powder Bar or Extra-Small Powder Bar is installed in the Powder Measure, remove the Plastic Plug and set aside. This frees the Powder Bar Spacer for removal. Again, do not remove the Powder Bar or Powder Bar Spacer at this time.
4. Hold the Drain-N-Change™ Tool in one hand and oriented with the long flat side up and the stepped side down, and position with the large end butted up against the end of the powder bar (the end without the Adjustment Bolt).
5. Position the other hand to support and capture the powder bar (and Powder Bar Spacer if Small or Extra-Small Powder Bar is installed) as it is removed.
6. Use the Drain-N-Change™ Tool to slowly press the Powder Bar out of the Powder Measure Body. Maintaining a bit of backpressure with the hand holding the powder bar is helpful. The gunpowder contained in the Powder Bar will fall through the Powder Die and into the container placed under the powder die in Step 1. Moving slowly or pausing briefly at this point will ensure that all the gunpowder has time to drain from the Powder Bar.
7. Continue pressing the powder bar out of the powder measure until it is completely removed and the large end of the Drain-N-Change™ Tool is flush with the end of the Powder Measure body. If removing a Small or Extra-Small Powder Bar, keep the powder bar level, as the Powder Bar Spacer will contain gunpowder. Pour this gunpowder into an appropriate container.
8. Position the gunpowder container and funnel under the drain hole in the Drain-N-Change™ Tool.
9. To start the flow of gunpowder, press Drain-N-Change™ Tool further into the powder measure body (about 1 inch). To stop the flow of gunpowder, simply press on the large end of the Drain-N-Change™ Tool until it is flush with the Powder Measure body.
10. After the gunpowder has completely drained from the Powder Measure, the Drain-N-Change™ Tool can be removed and the Powder Bar reinstalled.



The Drain-N-Change™ Tool shown in photo is white Delrin® as it is easier to photograph clearly. Actual Drain-N-Change™ Tool is black Delrin®.

## Removing/Changing Powder Bars

You can swap any two sizes of powder bars using the Drain-N-Change™ Tool, without needing to drain the gunpowder from the powder measure. The Drain-N-Change™ Tool replaces the powder bar, blocking the flow of gunpowder. The procedures for changing between the various powder bar sizes are similar except for a few small but important differences. (Continued on next page)

### **Removing/Replacing Powder Bars of the Same Size.**

The procedure for swapping between Small and Extra-Small Powder Bars or between Large and Extra-Large Powder Bar are so similar they are both described in the procedure below. The only difference is with regards to the Powder Bar Spacer, which is not used with Large or Extra-Large Powder Bars.

1. Place a small container on the shellplate under the Powder Die to catch the small amount of gunpowder that is contained in the Powder Bar.
2. Loosen the Bellcrank Screw enough to disengage the Bellcrank Cube but do not remove the screw. This frees the powder bar for removal ... but do not move the powder bar at this time. If you have an older style powder measure that uses Powder Bar Springs, remove the springs before loosening the Bellcrank Screw.
3. SMALL/EXTRA-SMALL: Do NOT remove the Plastic Plug. The Powder Bar Spacer does not need to be removed when swapping between Small or Extra-Small Powder Bars.  
LARGE/EXTRA-LARGE: The Powder Bar Spacer is not used with Large or Extra-Large Powder Bars. Proceed to Step 4.
4. SMALL/EXTRA-SMALL: Hold the Drain-N-Change™ Tool by the large end in one hand and oriented with the long flat side up and the stepped side down. Position with the small end butted up against the end of the powder bar (the end without the Adjustment Bolt).  
LARGE/EXTRA-LARGE: Hold the Drain-N-Change™ Tool by the small end in one hand and oriented with the long flat side up and the stepped side down. Position with the large end butted up against the end of the powder bar (the end without the Adjustment Bolt).
5. Position the other hand to support and capture the Powder Bar as it is removed.
6. Use the Drain-N-Change™ Tool to slowly press the Powder Bar out of the Powder Measure body. Maintaining a bit of backpressure with the hand holding the powder bar is helpful. The gunpowder contained in the Powder Bar will fall through the Powder Die and into the container placed under the Powder Die in Step 1. Moving slowly or pausing briefly at this point will ensure that all the gunpowder has time to drain from the Powder Bar.
7. Continue pressing the Powder Bar out of the Powder Measure until it is completely removed and the end of the Drain-N-Change™ Tool is flush with the end of the Powder Measure body.
8. When ready to install the powder bar, simply reverse the procedure by sliding the powder bar into the powder measure body and pressing the Drain-N-Change™ Tool back out. Do not allow any gap to open between the Powder Bar and the Drain-N-Change™ Tool as gunpowder to fall into the space resulting in gunpowder spillage. Maintaining a bit of backpressure with the hand holding the Drain-N-Change™ Tool is helpful.
9. Once the Powder Bar is completely into position, the Drain-N-Change™ Tool can be set aside. Reengage the Bellcrank Cube and tighten the Bellcrank Screw. If used on your Powder Measure, reinstall the Powder Bar Springs.

### **Changing from a Small Powder Bar to a Large Powder Bar**

1. Place a small container on the shellplate under the Powder Die to catch the small amount of gunpowder that is contained in the Powder Bar.
2. Loosen the Bellcrank Screw enough to disengage the Bellcrank Cube but do not remove the screw. This frees the powder bar for removal ... but do not move the powder bar at this time. If you have an older style Powder Measure that uses Powder Bar Springs, remove the springs before loosening the Bellcrank Screw.
3. Remove the Plastic Plug that secures the Powder Bar Spacer.
4. Hold the Drain-N-Change™ Tool by the small end in one hand and oriented with the long flat side down and the stepped side up. Position with the large end butted up against the end of the powder bar (the end without the Adjustment Bolt) and Powder Bar Spacer. (continued)

5. Position the other hand to support and capture the powder bar and powder bar spacer as they are removed.
6. Use the Drain-N-Change™ Tool to slowly press the Small Powder Bar and Powder Bar Spacer out of the Powder Measure Body. Maintaining a bit of backpressure with the hand holding the powder bar is helpful. The gunpowder contained in the powder bar will fall through the powder die and into the container placed under the Powder Die in Step 1. Moving slowly or pausing briefly at this point will ensure that all the gunpowder has time to drain from the Powder Bar.
7. Continue pressing the Powder Bar and Powder Bar Spacer out of the Powder Measure until they are completely removed and the large end of the Drain-N-Change™ Tool is flush with the end of the Powder Measure body. Keep the Powder Bar level, as the Powder Bar Spacer will contain gunpowder. Pour this gunpowder into an appropriate container.
8. Install the Large Powder Bar by sliding it into the Powder Measure body, pressing the Drain-N-Change™ Tool back out. Maintaining a bit of backpressure with the hand holding the Powder Bar is helpful.
9. Once the powder bar is completely into position, the Drain-N-Change™ Tool can be removed and set aside. Reengage the Bellcrank Cube and tighten the Bellcrank Screw. If used on your powder measure, reinstall the powder bar springs.

### **Changing from a Large Powder Bar to a Small Powder Bar**

1. Place a small container on the shellplate under the Powder Die to catch the small amount of gunpowder that is contained in the Powder Bar.
2. Loosen the Bellcrank Screw enough to disengage the Bellcrank Cube but do not remove the screw. This frees the powder bar for removal ... but do not move the Powder Bar at this time. If you have an older style Powder Measure that uses Powder Bar Springs, remove the springs.
3. Hold the Drain-N-Change™ Tool by the small end in one hand and oriented with the long flat side down and the stepped side up. Position with the large end butted up against the end of the Powder Bar (the end without the Adjustment Bolt).
4. Position the other hand to support and capture the Powder Bar as it is removed.
5. Use the Drain-N-Change™ Tool to slowly press the Large Powder Bar out of the Powder Measure Body. Maintaining a bit of backpressure with the hand holding the Powder Bar is helpful. The gunpowder contained in the Powder Bar will fall through the Powder Die and into the container placed under the powder die in Step 1. Moving slowly or pausing briefly at this point will ensure that all the gunpowder has time to drain from the Powder Bar.
6. Continue pressing the Powder Bar and Powder Bar Spacer out of the Powder Measure until they are completely removed and the large end of the Drain-N-Change™ Tool is flush with the end of the Powder Measure body.
7. Install the Small Powder Bar by sliding it and the Powder Bar Spacer, at the same time, into the Powder Measure body and pressing the Drain-N-Change™ Tool back out. Maintaining a bit of backpressure with the hand holding the Drain-N-Change™ Tool is helpful.
8. Once the Powder Bar is completely into position, the Drain-N-Change™ Tool can be removed and set aside. Insert the Plastic Plug to secure the Powder Bar Spacer.
9. Reengage the Bellcrank Cube and tighten the Bellcrank Screw. If used on your powder measure, replace the Powder Bar Springs.

Disclaimer: UniqueTek, Inc. is not liable for damages or personal injury that may be incurred as a result of using this product in an improper way or in a reloading press that has been improperly maintained or operated. It is your responsibility to ensure that your reloading equipment is properly assembled, is maintained in proper working condition, and is used according to the manufacturer's instructions and safe reloading practices.

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